

WEST Search History

DATE: Thursday, June 10, 2004

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L2	L1 with (heat and chelat\$)	4
<input type="checkbox"/>	L1	amylase with (muta\$ or variant or hybrid)	1864

END OF SEARCH HISTORY

h e b b cg b chh e f f c e e b

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Generate OACS				

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20020123124 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 4

File: PGPB

Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020123124

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020123124 A1

TITLE: Highly productive alpha-amylases

PUBLICATION-DATE: September 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Araki, Hiroyuki	Haga-gun		JP	
Endo, Keiji	Haga-gun		JP	
Hagihara, Hiroshi	Haga-gun		JP	
Igarashi, Kazuaki	Haga-gun		JP	
Hayashi, Yasuhiro	Haga-gun		JP	
Ozaki, Katsuya	Haga-gun		JP	

US-CL-CURRENT: 435/202; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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2. Document ID: US 6743616 B2

L2: Entry 2 of 4

File: USPT

Jun 1, 2004

US-PAT-NO: 6743616

DOCUMENT-IDENTIFIER: US 6743616 B2

TITLE: Highly productive alpha-amylases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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3. Document ID: US 6486113 B1

L2: Entry 3 of 4

File: USPT

Nov 26, 2002

US-PAT-NO: 6486113

DOCUMENT-IDENTIFIER: US 6486113 B1

** See image for Certificate of Correction **

TITLE: Mutant .alpha.-amylases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw	De
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4. Document ID: EP 1065277 A1

L2: Entry 4 of 4

File: EPAB

Jan 3, 2001

PUB-NO: EP001065277A1

DOCUMENT-IDENTIFIER: EP 1065277 A1

TITLE: Mutant alpha-amylases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw	De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
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L1 with (heat and chelat\$)	4
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NEWS	4	JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS	5	FEB 05 German (DE) application and patent publication number format changes
NEWS	6	MAR 03 MEDLINE and LMEDLINE reloaded
NEWS	7	MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 03 FRANCEPAT now available on STN
NEWS	9	MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS	10	MAR 29 WPIFV now available on STN
NEWS	11	MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS	12	APR 26 PROMT: New display field available
NEWS	13	APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS	14	APR 26 LITALERT now available on STN
NEWS	15	APR 27 NLDB: New search and display fields available
NEWS	16	May 10 PROUSDDR now available on STN
NEWS	17	May 19 PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS	18	May 12 EXTEND option available in structure searching
NEWS	19	May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS	20	May 17 FRFULL now available on STN
NEWS	21	May 27 STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS	22	May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS	23	May 27 CAplus super roles and document types searchable in REGISTRY
NEWS	24	May 27 Explore APOLLIT with free connect time in June 2004
NEWS EXPRESS		MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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=> s amylase with (muta? or variant or hybrid)

MISSING OPERATOR 'WITH (MUTA?)'

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s amylase (5a) (muta? or variant or hybrid)

10 FILES SEARCHED...

L1 2780 AMYLASE (5A) (MUTA? OR VARIANT OR HYBRID)

=> s l1 and (heat and chelat?)

L2 6 L1 AND (HEAT AND CHELAT?)

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 3 DUP REM L2 (3 DUPLICATES REMOVED)

=> d 1-3

L3 ANSWER 1 OF 3 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 2002-15685 BIOTECHDS

TI New ***mutant*** alpha- ***amylase***, useful in detergent compositions, comprises increased productivity when prepared recombinantly and better resistance to ***heat***;

recombinant enzyme protein production via plasmid expression in bacterium cell, for surfactant composition and starch liquefaction

AU ARAKI H; HAGIHARI H; HAYASHI Y; ENDO K; IGARASHI K; OZAKI K

PA KAO CORP

PI EP 1199356 24 Apr 2002

AI EP 2000-123378 11 Oct 2000

PRAI JP 2000-310605 11 Oct 2000

DT Patent

LA English

OS WPI: 2002-354203 [39]

L3 ANSWER 2 OF 3 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 2001-05257 BIOTECHDS

TI A gene encoding a ***mutant*** alpha- ***amylase*** obtained by making replacement or deletions of amino acid residues in a characteristic sequence;

involving recombinant vector plasmid pHSP-K38, plasmid

pHSP-LAMY-mediated gene transfer for expression in host cell
AU Endo K; Igarashi K; Hayashi Y; Hagiwara H; Ozaki K
PA Kao
LO Tokyo, Japan.
PI EP 1065277 3 Jan 2001
AI EP 2000-111911 13 Jun 2000
PRAI JP 1999-163569 10 Jun 1999
DT Patent
LA English
OS WPI: 2001-073344 [09]

L3 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:548646 HCAPLUS
DN 127:189671
TI Biotechnology in detergents and cosmetics
AU Ito, Susumu
CS Tochigi Res. Lab., Kao Corp., Tochigi, 321-34, Japan
SO Baiosaiensu to Indasutori (1997), 55(8), 541-545
CODEN: BIDSE6; ISSN: 0914-8981
PB Baioindasutori Kyokai
DT Journal; General Review
LA Japanese

=> dis his

(FILE 'HOME' ENTERED AT 22:28:32 ON 10 JUN 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIOSBASE, BIOTECHNO, WPIDS' ENTERED AT 22:28:51 ON 10 JUN 2004
L1 2780 S AMYLASE (5A) (MUTA? OR VARIANT OR HYBRID)
L2 6 S L1 AND (HEAT AND CHELAT?)
L3 3 DUP REM L2 (3 DUPLICATES REMOVED)

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FULL ESTIMATED COST	20.20	20.41

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